

Amendments to the Specification

Please replace paragraph [0016] with the following rewritten paragraph:

[0016] Moreover, it is preferable that the matrix material satisfies $0.001 < \frac{z}{z+w} \frac{w}{z+w} < 0.6$. In this way, the phosphor thin film lasts longer.

Please replace paragraph [0039] with the following rewritten paragraph:

[0039] Moreover, it is satisfactory if the matrix material includes either O or S. However, it is preferable that the matrix material is a sulfide which includes S. In that case, it is more preferable that the S is partially substituted by O, that is, the matrix material includes both S and O. The O (oxygen atoms) increases the life of the phosphor thin film. The quantity of the O in the matrix material is preferably set in a range expressed by $0.001 < \frac{z}{z+w} \frac{w}{z+w} < 0.6$. In this way, the effect of increasing the life is significantly enhanced.

Please replace paragraph [0063] with the following rewritten paragraph:

[0063] The EB vapor source 14 includes a crucible 40 for housing a pellet 14a with addition of the material functioning as the luminescence center, and an electron gun 41 incorporating a filament 41a for electron emission. Reference numerals 10 and 42 are AC powers. Reference numeral 43 is a DC power.

Please replace paragraph [0069] with the following rewritten paragraph:

[0069] Fig. 2 is a partial cross-sectional view showing a configuration example of an inorganic EL panel using the phosphor thin film according to the present invention. In Fig. 2, lower electrodes 5 are formed in a striped pattern on a substrate 1, and a lower insulating layer 2 being a dielectric is formed on the lower electrodes 5. Moreover, a phosphor thin film

3 as a light-emitting layer, and a thin-film insulating layer 4 being a dielectric are serially formed on this lower insulating layer 2. Upper electrodes 6 having a striped pattern which is orthogonal to the lower electrodes 5 are formed on the thin-film insulating layer 4 so that the lower electrodes 5 and the upper electrodes 6 collectively constitute a matrix circuit.

Reference numerals 10 and 42 are AC powers. Reference numeral 43 is a DC power.